

# RF EXPOSURE REPORT

Applicant	Flashbay Electronics
Address	Blgd b & C Xi Feng Cheng No.2 FuYuan Road, FuYong Town, ShenZhen, China.


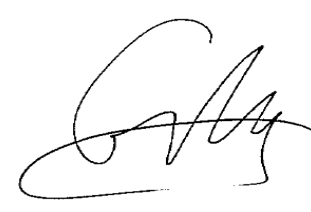
Manufacturer or Supplier	Flashbay Electronics
Address	Blgd b & C Xi Feng Cheng No.2 FuYuan Road, FuYong Town, ShenZhen, China.
Product	Bluetooth Speaker
Brand Name	N/A
Model	Tab
Additional Model & Model Difference	Ray, Jet, Seed; See items 1
Date of tests	Apr. 12, 2017 ~ Jun. 21, 2017

☒ FCC Part 2 (Section 2.1091)

☒ KDB 447498 D01

☒ IEEE C95.1

**CONCLUSION: The submitted sample was found to COMPLY with the test requirement**

Tested by Andy Zhu Project Engineer / EMC Department	Approved by Glyn He Supervisor/ EMC Department
	

Date: Jun. 26, 2017

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Test Report No.: FS170412N004

## RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FS170412N004	Original release	Jun. 26, 2017

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Test Report No.: FS170412N004

## 1. CERTIFICATION

<b>FCC ID:</b>	2ALRV-RTJS1701
<b>PRODUCT:</b>	Bluetooth Speaker
<b>BRAND NAME:</b>	N/A
<b>MODEL NO.:</b>	Tab
<b>ADDITIONAL NO.:</b>	Ray, Jet, Seed
<b>APPLICANT:</b>	Flashbay Electronics
<b>STANDARDS:</b>	FCC Part 2 (Section 2.1091)
	KDB 447498 D01
	IEEE C95.1

### NOTE:

1. Additional models Ray, Jet, Seed are identical with the test model Tab, except the model number for marketing purpose.



## 2. RF EXPOSURE LIMIT

### LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

FREQUENCY RANGE (MHz)	ELECTRIC FIELD STRENGTH (V/m)	MAGNETIC FIELD STRENGTH (A/m)	POWER DENSITY (mW/cm <sup>2</sup> )	AVERAGE TIME (minutes)
LIMITS FOR GENERAL POPULATION / UNCONTROLLED EXPOSURE				
300-1500	...	...	F/1500	30
1500-100,000	...	...	1.0	30

F = Frequency in MHz

## 3. MPE CALCULATION FORMULA

$$P_d = (P_{out} \cdot G) / (4 \cdot \pi \cdot r^2)$$

where

$P_d$  = power density in mW/cm<sup>2</sup>

$P_{out}$  = output power to antenna in mW

$G$  = gain of antenna in linear scale

$\pi$  = 3.1416

$R$  = distance between observation point and center of the radiator in cm

## 4. CLASSIFICATION

The antenna of this product, under normal use condition, is at least 20cm away from the body of the user. So, this device is classified as **Mobile Device**.



## 5. ANTENNA GAIN

The antennas provided to the EUT, please refer to the following table:

Transmitter Circuit	Peak Gain (dBi)	Antenna Type
Chain 0	2	PCB Antenna

## 6. CALCULATION RESULT OF MAXIMUM CONDUCTED AV POWER

The tuned conducted Average Power (declared by client)

Frequency (MHz)	Target Power (dBm)	Tolerance (dBm)	Lower Tolerance (dBm)	Upper Tolerance (dBm)
2402-2480	-8	+2	-10	-6

The measured conducted Average Power

Mode	Frequency (MHz)	Averaged Power (dBm)
GFSK	2480	-7.21
8DPSK	2480	-7.42

FREQUENCY BAND (MHz)	UPPER TOLERANCE (DBM)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm <sup>2</sup> )	LIMIT (mW/cm <sup>2</sup> )
2402-2480	-6	2	20	0.00008	1.0

--- END ---